

Electric band heaters

Description

These extremely flexible electric band heaters are used for electric motors and generators. They offer reliable protection against corrosion or frost damage and associated machine failures because they effectively prevent condensation even under extreme climatic conditions.

Function

The heater is mounted directly in the winding or placed around the winding head. The heat lines can be covered by a glass fibre hose. This hose is used as mechanical protection of the heater. The protection is also necessary when the heat lines are installed in a motor to enable the vacuum impregnation of the motor.

Material

Heat wire: CuNi- bzw. NiCr
 Insulation: Silicone/glass fibre/glass fibre hose or Silicone/glass fibre
 Connection line: Insulation: Teflon, cross section: AWG 20/7
 Connection length: 500mm
 Tensile strength: ≥ 25 N (connection line/heat wire)
 Bending radius: ≥ 10 mm

Technical data

Temperature range: -40 °C bis $+180$ °C
 Dielectric strength: 2 kV / 50 Hz, 20s
 Operating voltage: 220V
 Heating power: 13W, 31W, 56W, 83W, 110W

| Order No. | Heating power | Heater length | Voltage |
|-------------|---------------|---------------|---------|
| Hz 12,5-220 | 13 W | 250 mm | 220V |
| Hz 25-220 | 31 W | 500 mm | 220V |
| Hz 50-220 | 56 W | 1000 mm | 220V |
| Hz 75-220 | 83 W | 1300 mm | 220V |
| Hz 100-220 | 110 W | 1800 mm | 220V |

Different heating capacities or band heaters with rated voltage 110V on request.